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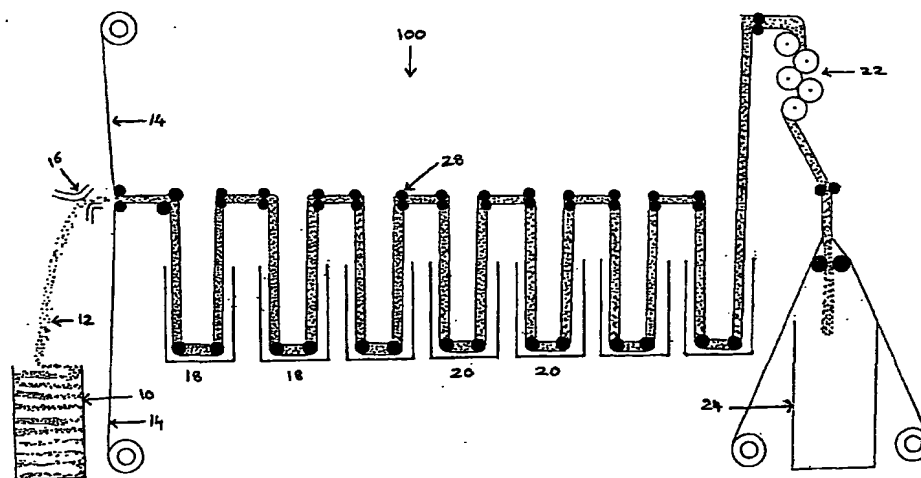
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(54) Title: A METHOD AND APPARATUS FOR DYEING FIBERS



(57) Abstract: The present invention relates to a method and an apparatus for dyeing cotton at fiber stage and a method for preparing yarn. The present invention provides an apparatus (100) for dyeing fibers and filaments comprising plurality of pre-wetting troughs (18), plurality of dye baths (20), and a drying arrangement (22) characterized in having a supporting system (14) for carrying and dyeing the fiber (12) continuously and homogeneously. The fibers or filaments for dyeing includes cotton and other natural fibers, man made and synthetic fibers as well as filaments and a combination thereof. The fiber for dyeing according to the present invention is cotton fiber. A method for dyeing according to the present invention comprising the steps of carrying the cotton fiber (12) along with supporting system (14); prewetting the cotton fiber (12) along with supporting system (14); dyeing of cotton fiber (12) along with the supporting system (14); and drying of the cotton fiber (12) wherein the cotton fiber (12) is dyed continuously and homogeneously. The dye used for dyeing is the indigo dye.

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